

Converting Colors

XYZ(19.3280, 12.3346, 87.5883)

Have a look what the booklet for
XYZ(19.3280, 12.3346, 87.5883)
contains.

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Color

**XYZ(19.3501, 12.3299,
87.7462)**

Conversions

Conversions Part 1

Format	Color
Hex	0050F5
RGB	0, 80, 245
RGB Percent	0%, 31%, 96%
CMY	0.9997, 0.6863, 0.0392
CMYK	1.00, 0.67, 0.00, 0.04
HSL	220°, 100%, 48%
HSV	220°, 100%, 96%
XYZ	19.3501, 12.3299, 87.7462
YIQ	74.8900, -100.6450, 34.3550

Conversions

Conversions Part 2

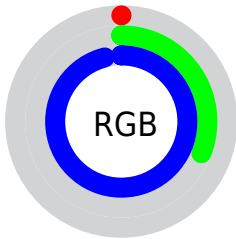
Format	Color
R _{YB}	0, 60, 245
Decimal	20725
CIE Lab	41.74, 45.28, -86.57
CIE LCh	42, 97.698, 297.610
Yxy	12.3299, 0.1620, 0.1032
Android (android.graphics.Color)	4278210805 (0xFF0050F5)
YUV	74.8900, 83.8642, -65.6785
Hunter-Lab	35.1140, 36.9158, -123.5799

Details

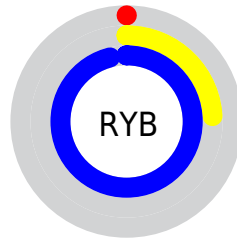
The XYZ color **19.3501, 12.3299, 87.7462** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark saturated blue. A complement of this color would be **51.1251, 46.3495, 6.2538**, and the grayscale version is **6.5391, 6.8796, 7.4919**.

A 20% lighter version of the original color is **32.7103, 26.4312, 97.9855**, and **9.6005, 4.8496, 47.4438** is the 20% darker color. If you saturate the color by 10%, you get **19.3465, 12.3226, 87.7454**, and if you desaturate by 10%, it is **21.1008, 15.2517, 88.2183**.

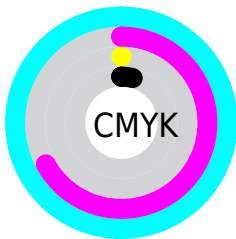
Distribution



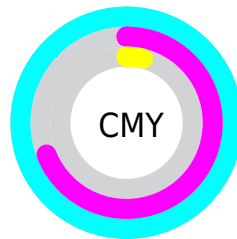
- Red (0%)
- Green (31%)
- Blue (96%)



- Red (0%)
- Yellow (24%)
- Blue (96%)



- Cyan (100%)
- Magenta (67%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (69%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3501, 12.3299, 87.7462 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 19.3501, 12.3299, 87.7462 by changing the saturation by 10% instead.

■ 19.3501, 12.3299,
87.7462

■ 19.3501, 12.3299,
87.7462

241.2759,
206.5772, 541.0515

■ 12.0290, 6.9688,
65.5498

■ 41.8372, 30.0945,
146.1118

■ 6.8358, 3.4426,
47.4528

■ 57.7339, 43.2668,
183.1180

■ 3.4050, 1.3669,
33.0369

■ 77.2198, 59.8117,
225.8979

■ 1.3714, 0.1922,
21.8833

■ 100.6604, 80.1134,
274.8700

■ 0.2357, 0.0000,
13.5737

■ 128.4210,
104.5564, 330.4529

■ 0.0000, 0.0000,
7.6894

160.8668,

■ 0.0000, 0.0000,

133.5251, 393.0651

3.8120

198.3634,
167.4039, 463.1251

■ 0.0000, 0.0000,
1.5228

■ 0.0000, 0.0000,
0.2348

■ 19.3501, 12.3299,
87.7462

■ 19.3501, 12.3299,
87.7462

■ 19.3465, 12.3226,
87.7454

■ 21.1008, 15.2517,
88.2183

■ 23.6576, 19.0594,
88.8185

■ 27.1907, 23.8675,
89.5603

■ 31.8079, 29.7566,
90.4537

■ 37.6014, 36.7974,
91.5073

■ 44.6527, 45.0537,
92.7293

■ 53.0356, 54.5844,
94.1271

■ 62.8181, 65.4440,
95.7076

■ 74.0631, 77.6838,
97.4775

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



11.1529, 12.3299, 104.3057



19.3501, 12.3299, 87.7462



27.6645, 12.3299, 47.6836

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.3501, 12.3299, 87.7462



20.7767, 12.3299, 0.0000



2.6309, 12.3299, 11.8430

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.3501, 12.3299, 87.7462



51.1251, 46.3495, 6.2538

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



3.5011, 12.3299, 1.4320



19.3501, 12.3299, 87.7462



12.3044, 12.3299, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.3501, 12.3299, 87.7462



28.6977, 12.3299, 2.1751



6.4159, 12.3299, 0.0000



3.2500, 12.3299, 41.3402

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.3501, 12.3299, 87.7462



31.0296, 12.3299, 23.8184



6.4159, 12.3299, 0.0000



2.7468, 12.3299, 6.6043

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.3509, 12.3301, 87.7466



57.9907, 59.6756, 103.0698



39.2964, 67.9627, 45.8654



11.5443, 11.7930, 21.9178



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.3509, 12.3301, 87.7466



21.1596, 13.4392, 96.0865



17.3924, 7.0634, 86.8332



16.0228, 16.8098, 20.9427



10.5341, 6.8620, 47.3073



1.0156, 0.7826, 4.1878

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39.1050, 19.9933, 9.3871



42.8096, 21.8878, 10.1953



57.6038, 78.1679, 12.0539



16.7221, 16.5717, 18.2830



21.1216, 10.7921, 5.3489



1.9017, 0.9666, 0.7087

Previews

White Background



This preview shows how the XYZ color 19.3501, 12.3299, 87.7462 looks on a white background.

Color Contrast Check

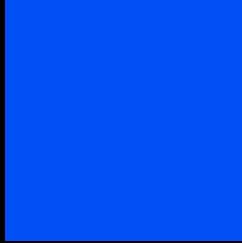
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.3501, 12.3299, 87.7462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

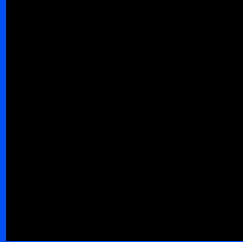
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3501, 12.3299, 87.7462

Background



This preview shows how black text looks on a background with the XYZ color 19.3501, 12.3299, 87.7462.



This preview shows how white text looks on a background with the XYZ color 19.3501, 12.3299,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.3501, 12.3299, 87.7462

Protanopia

14.3115, 12.1289, 55.6196

Deuteranopia

11.9094, 12.2096, 39.7592



Tritanopia

8.5632, 12.1751, 18.1184

Trichromacy



Original Color

19.3501, 12.3299, 87.7462

Protanomaly

15.9670, 12.1026, 66.4602

Deuteranomaly

13.9924, 11.8599, 54.3750

Tritanomaly

10.8893, 11.3440, 35.7981

Monochromacy



Original Color

19.3501, 12.3299, 87.7462

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.3882, 7.7423, 24.7192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3501, 12.3299, 87.7462 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 80, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 80, 245)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 80, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 80, 245) }
```

Border

The CSS property to change the border of an element to XYZ 19.3501, 12.3299, 87.7462 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 80, 245) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 80, 245) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 80, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 80, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 80, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 80, 245)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.3501, 12.3299, 87.7462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 80, 245) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 80,  
245) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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